

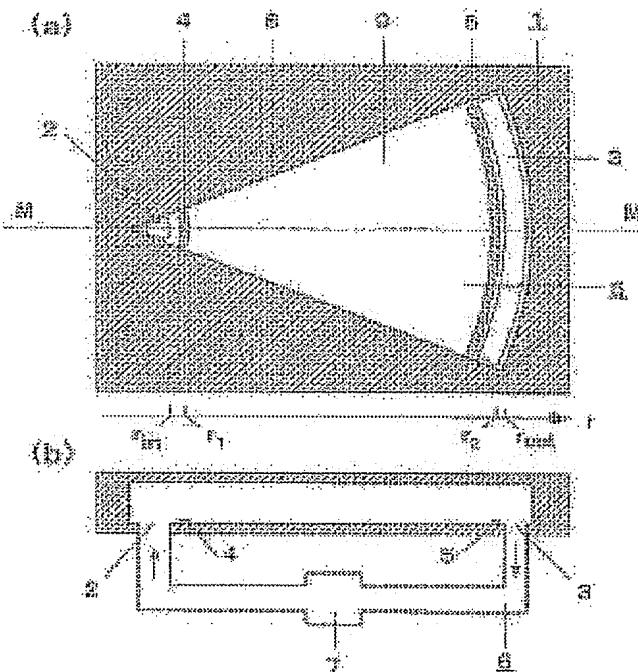
ABSTRACT OF CITATION 7

METHOD AND DEVICE FOR SEPARATING CORPUSCULAR, AND SENSOR**Publication number:** JP2003066004 (A)**Publication date:** 2003-03-05**Inventor(s):** KATO MAKOTO +**Applicant(s):** MATSUSHITA ELECTRIC IND CO LTD +**Classification:**

- international: B01D57/02; B03C5/00; B04B5/10; G01N15/06; G01N21/27; G01N21/59; G01N27/447; B01D57/02; B03C5/00; B04B5/00; G01N15/06; G01N21/25; G01N21/59; G01N27/447; (IPC1-7): B01D57/02; B03C5/00; B04B5/10; G01N15/06; G01N21/27; G01N21/59; G01N27/447

- European:**Application number:** JP20010260749 20010830**Priority number(s):** JP20010260749 20010830**Abstract of JP 2003066004 (A)**

PROBLEM TO BE SOLVED: To provide a method and a device for simply, speedily and highly accurately separating corpuscles, and to implement a sensor to carry out quantitative and qualitative analysis. **SOLUTION:** Dielectric migration force is exercised on corpuscles contained in a solution 9 flowing in a solution chamber 8 by applying an AC voltage between a pair of electrodes 4, 5 to gather the corpuscles at a position where flow force is balanced with the dielectric migration force. Since the balanced position differs depending on the kind of corpuscles, they can be separated. In addition, the balanced position can be controlled by changing the frequency of the AC voltage and field strength.



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